



City of Hartford
FIRE DEPARTMENT

FIRESTAT

July 2016

"Goal Oriented, Results Driven"



AGENDA



- Introductions
- Remark's from Chief Freeman
- Remark's from Chief Costello
- Remark's from Chief Hudson
- Budget Discussion by CPT Reilly
- Division Briefings
- Questions/Comments

"Goal Oriented, Results Driven"

Chief Freeman



"Goal Oriented, Results Driven"

Chief Costello



"Goal Oriented, Results Driven"

Chief Hudson



"Goal Oriented, Results Driven"

EMERGENCY SERVICES



"Goal Oriented, Results Driven"

Fire Response Scorecard

City-Wide

Operational Performance Measure: To measure the Response time of 4 firefighters or 1 Engine according to NFPA 1710 and ISO standards.



HFD Strategic Priorities:
Provide Quality Emergency Services

Data Source: Firehouse Software

Current Period: 07/01/2016 -07/31/2016

Previous Period: 03/16 – 06/16

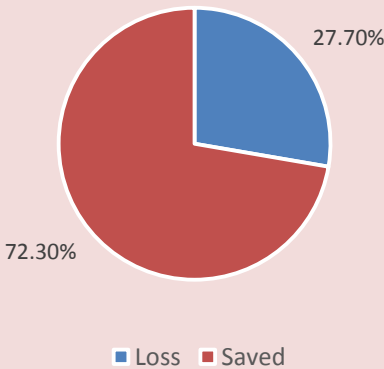
HISTORICAL ANALYSIS

Reporting Period	Performance Targets	Compliance	
	# Incidents	NFPA 1710 %	ISO %
March 2016	15	69.23%	80.00%
April 2016	13	100.00%	84.62%
May 2016	9	88.89%	66.67%
June 2016	20	100.00%	90.00%

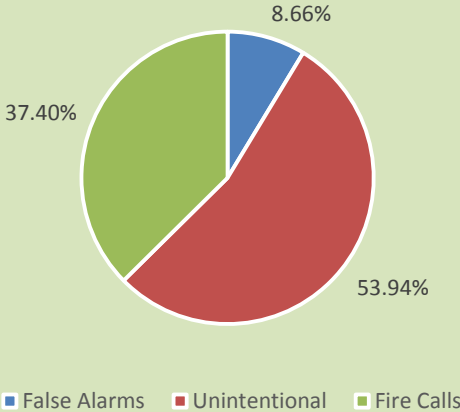
Analysis

- Staffing
- Mutual Aid Responses: 0
- Performance Standard(s) for 1710 (full compliment) and ISO not met for this reporting period city-wide

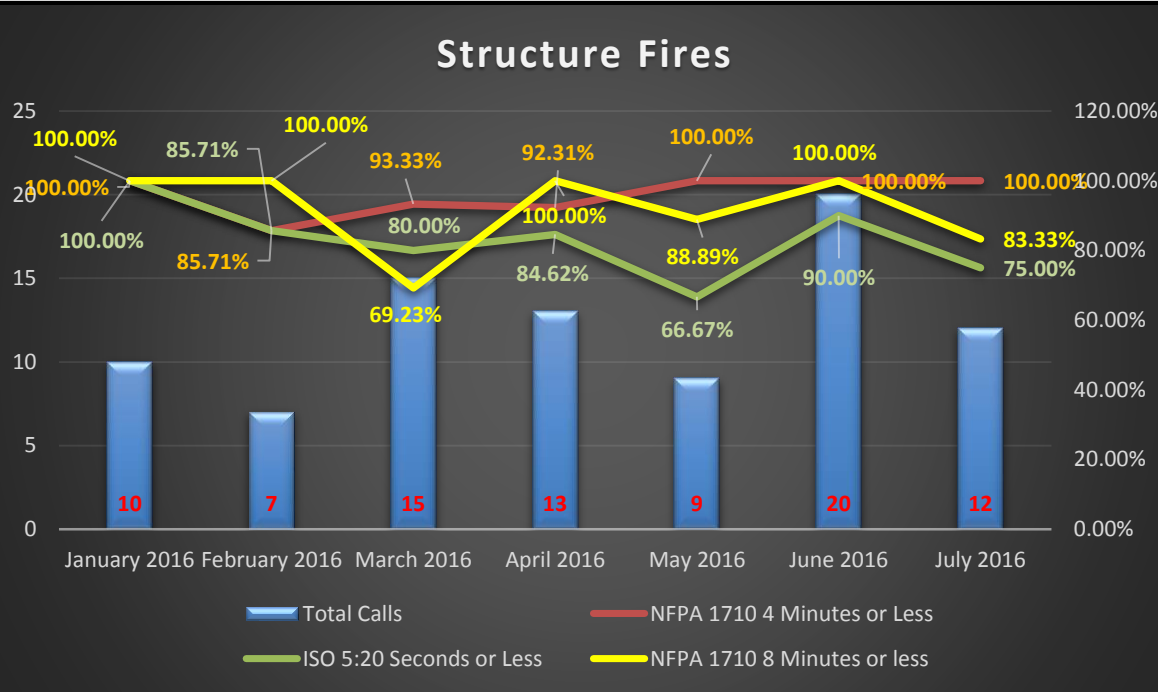
Percentage of Property Saved



False/Unintentional Alarms to Fire Calls



Performance Target: Arrival of 17 Firefighters within 8 minutes (1710) or Arrival of 1 Engine in 5:20 minutes (ISO) – NFPA (1710) is at 90%



EMS Response Scorecard

City-Wide

Operational Performance Measure: To measure the Response to EMS incidents City-wide.



HFD Strategic Priorities:
Provide Quality Emergency Services

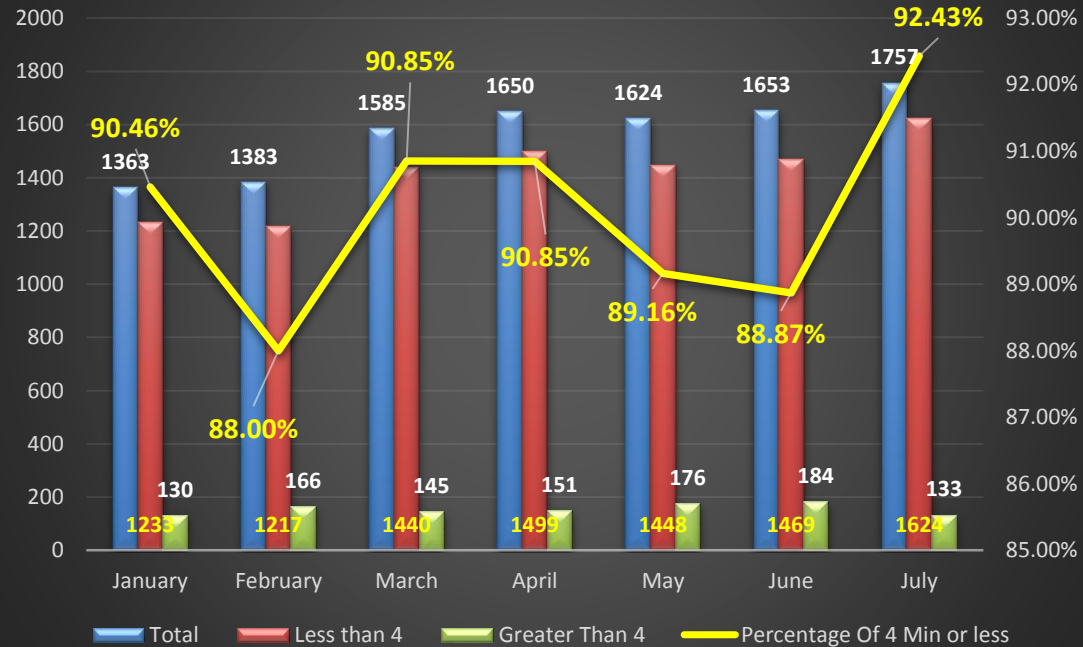
Performance Target: Arrival of 4 minutes or less for First Responder calls - National Standard 1710 is at 90%.

Data Source: Firehouse Software

Current Period: 07/01/2016 -07/31/2016

Previous Period: 03/16 – 06/16

EMS Response City Wide



Reporting Period	1 Company 4 Minute or Less		
	# of Incidents	# of Incidents Met	# of Incidents Not Met
March 2016	1585	1440	145
April 2016	1650	1499	151
May 2016	1624	1448	176
June 2016	1653	1469	184

Analysis

➤ Significant increase in performance. Well done.

Recommendations

➤ Discuss what was done to cause such a significant change.

Impact

➤ Improvement of EMS efficiency.

Fire Response Scorecard

District 1

Operational Performance Measure: To measure the Response time of 4 firefighters or 1 Engine according to NFPA 1710 and ISO standards.



HFD Strategic Priorities:
Provide Quality Emergency Services

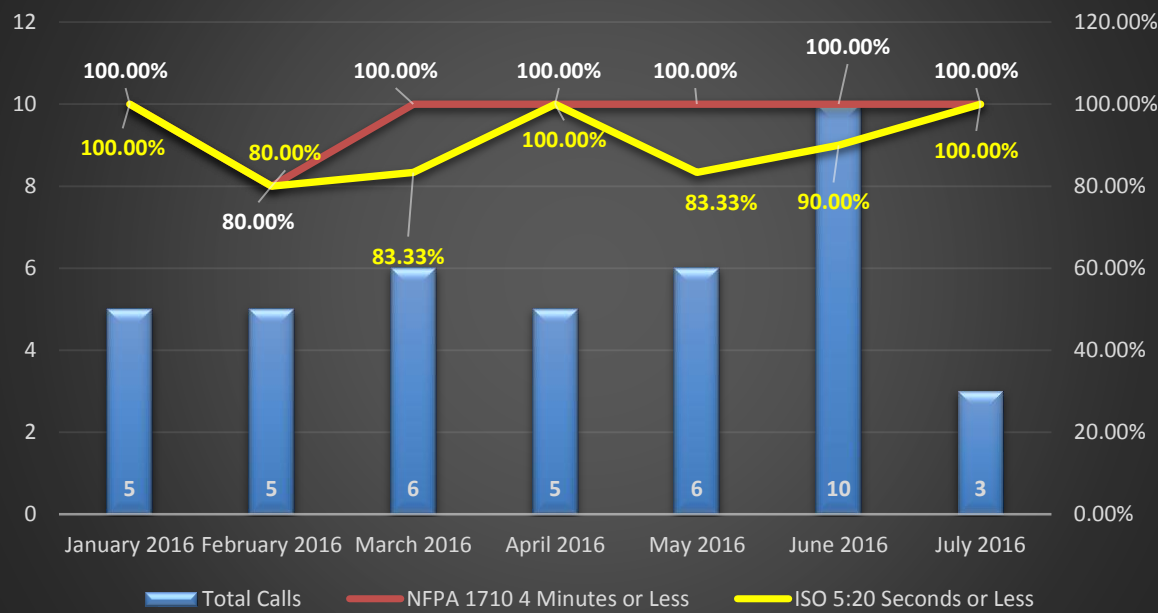
Data Source: Firehouse Software

Current Period: 07/01/2016 - 07/31/2016

Previous Period: 03/16 – 06/16

Performance Target: Arrival of 4 Firefighters within 4 minutes (1710) or Arrival of 1 Engine in 5:20 minutes (ISO) – NFPA (1710) is at 90%

First Due Engine Response in District 1 Area



HISTORICAL ANALYSIS

Reporting Period	Performance Targets	Compliance	
	# Incidents	NFPA 1710 %	ISO %
March 2016	6	100.00%	83.33%
April 2016	5	100.00%	100.00%
May 2016	6	100.00%	83.33%
June 2016	10	100.00%	90.00%

Analysis

➤ OUTSTANDING WORK.

Recommendations

➤ Continue to work with H&S committee to evaluate deployment sets.

Impact

➤ Safe and efficient fire and emergency services mitigation in a timely manner.

EMS Response Scorecard

District 1

Operational Performance Measure: To measure the Response to EMS incidents City-wide.



HFD Strategic Priorities:
Provide Quality Emergency Services

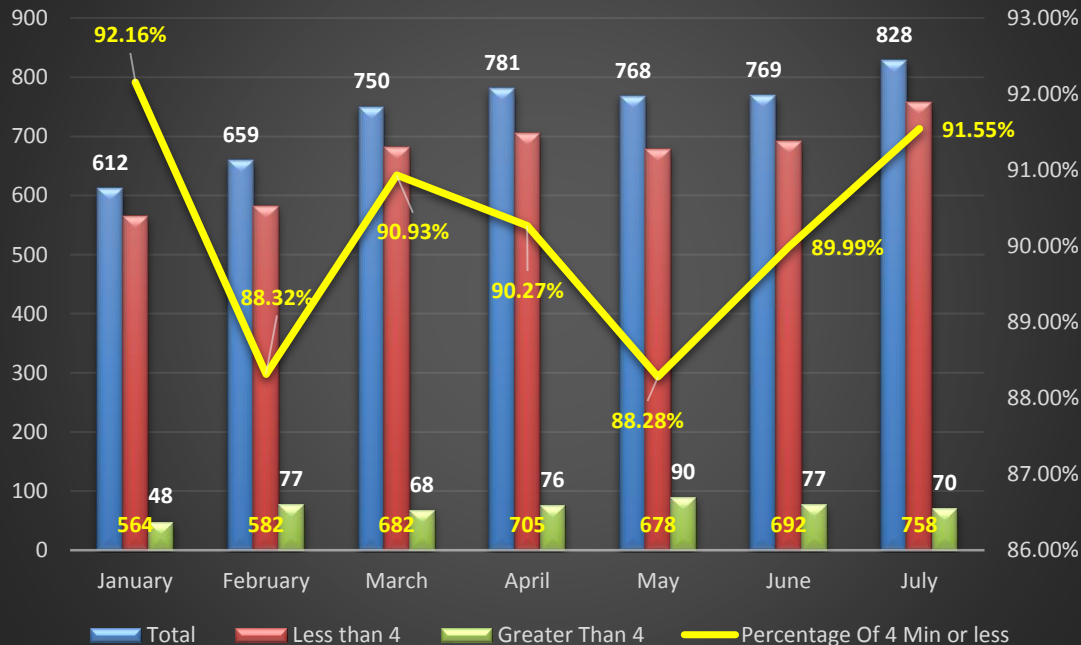
Performance Target: Arrival of 4 minutes or less for First Responder calls – National Standard 1710 is at 90%.

Data Source: Firehouse Software

Current Period: 07/01/2016 - 07/31/2016

Previous Period: 03/16 – 06/16

First Due EMS Response in District 1 Area



Reporting Period	1 Company 4 Minute or Less		
	# of Incidents	# of Incidents Met	# of Incidents Not Met
March 2016	750	682	68
April 2016	781	705	76
May 2016	768	678	90
June 2016	769	692	77

Analysis

Recommendations

Impact

➤ Improvement in performance when compared to last month. Goal of 90% was obtained.

➤ Continue to communicate importance of EMS deployment in a timely manner.

➤ Safe and efficient EMS mitigation in a timely manner.

Fire Response Scorecard

District 2

Operational Performance Measure: To measure the Response time of 4 firefighters or 1 Engine according to NFPA 1710 and ISO standards.



HFD Strategic Priorities:
Provide Quality Emergency Services

Data Source: Firehouse Software

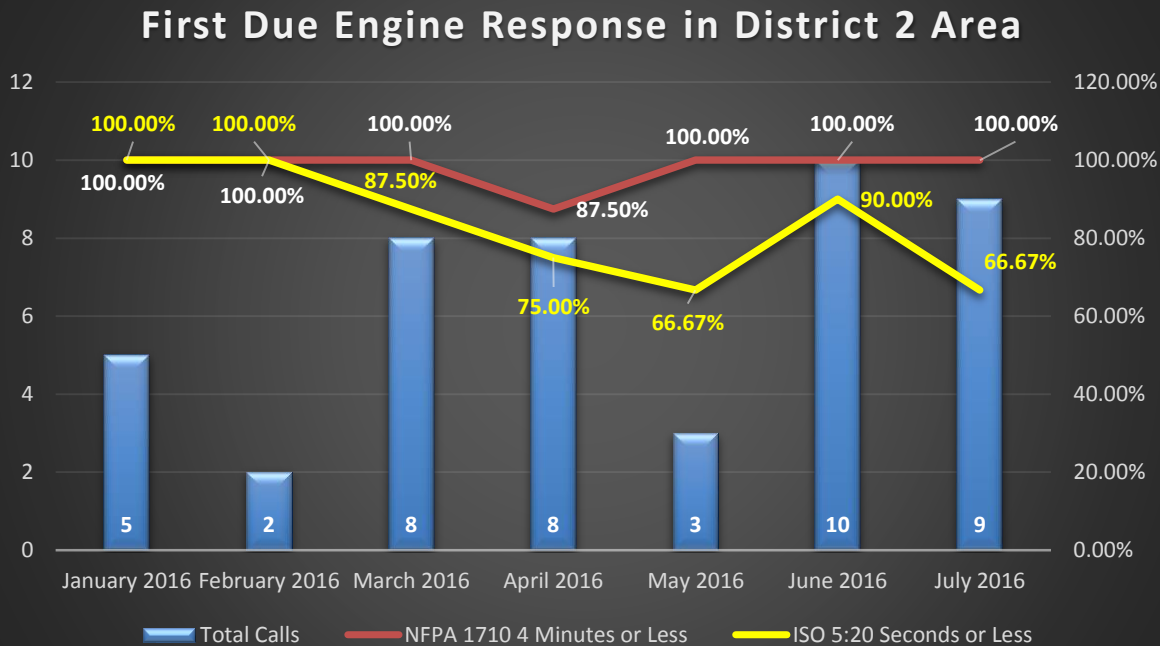
Current Period: 07/01/2016 -07/31/2016

Previous Period: 03/16 – 06/16

Performance Target: Arrival of 4 Firefighters within 4 minutes (1710) or Arrival of 1 Engine in 5:20 minutes (ISO) – NFPA (1710) is at 90%

HISTORICAL ANALYSIS

Reporting Period	Performance Targets	Compliance	
	# Incidents	NFPA 1710 %	ISO %
March 2016	8	100.00%	87.50%
April 2016	8	87.50%	75.00%
May 2016	3	100.00%	66.67%
June 2016	10	100.00%	90.00%



Analysis

➤ Declination of performance for the month of July pertaining to ISO standard.

Recommendations

✓ Early morning hour responses are contributing factors.

Impact

➤ Safe and efficient fire and emergency services mitigation in a timely manner.

EMS Response Scorecard

District 2

Operational Performance Measure: To measure the Response to EMS incidents City-wide.



HFD Strategic Priorities:
Provide Quality Emergency Services

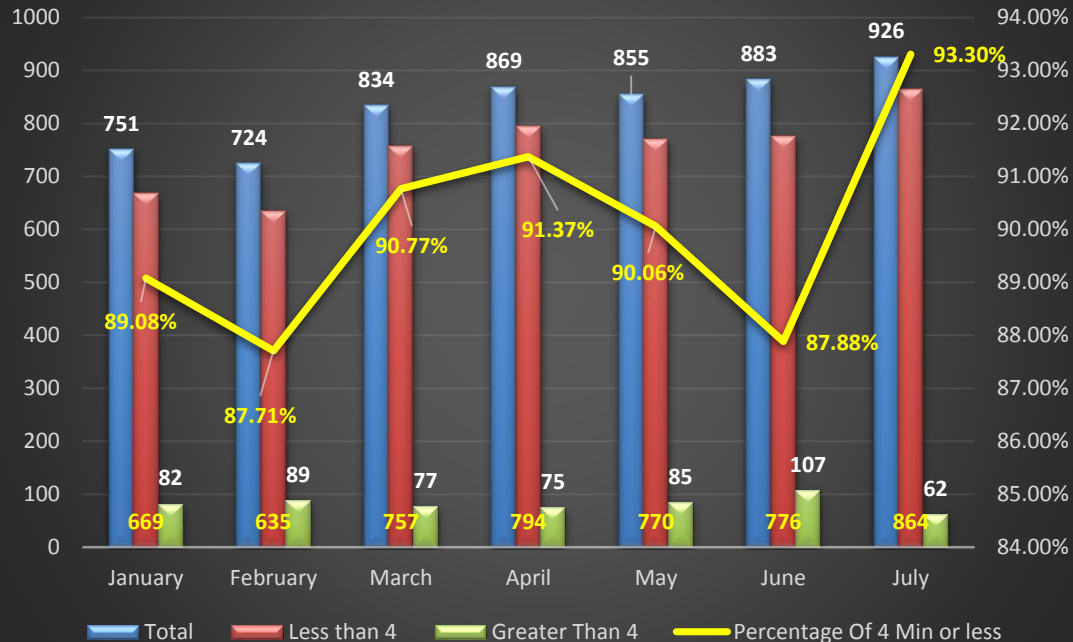
Performance Target: Arrival of 4 minutes or less for First Responder calls – National Standard 1710 is at 90%.

Data Source: Firehouse Software

Current Period: 07/01/2016 - 07/31/2016

Previous Period: 03/16 – 06/16

First Due EMS Response in District 2 Area



Reporting Period	1 Company 4 Minute or Less		
	# of Incidents	# of Incidents Met	# of Incidents Not Met
March 2016	834	757	77
April 2016	869	794	75
May 2016	855	770	85
June 2016	883	776	107

Analysis

Recommendations

Impact

➤ Why the declination in performance as it pertains to the standard for last month?

➤ Assess contributing factors.

➤ Safe and efficient fire and emergency services mitigation in a timely manner.

COMMUNITY RISK REDUCTION – FIRE MARSHAL OFFICE



"Goal Oriented, Results Driven"

Performance Scorecard

Community Risk Reduction Division -FM

Operational Performance Measure: Efficient Deployment of resources to support code enforcement and fire prevention initiatives that reduce avoidable incidents.



HFD Strategic Priorities:
Provide Quality Code enforcement

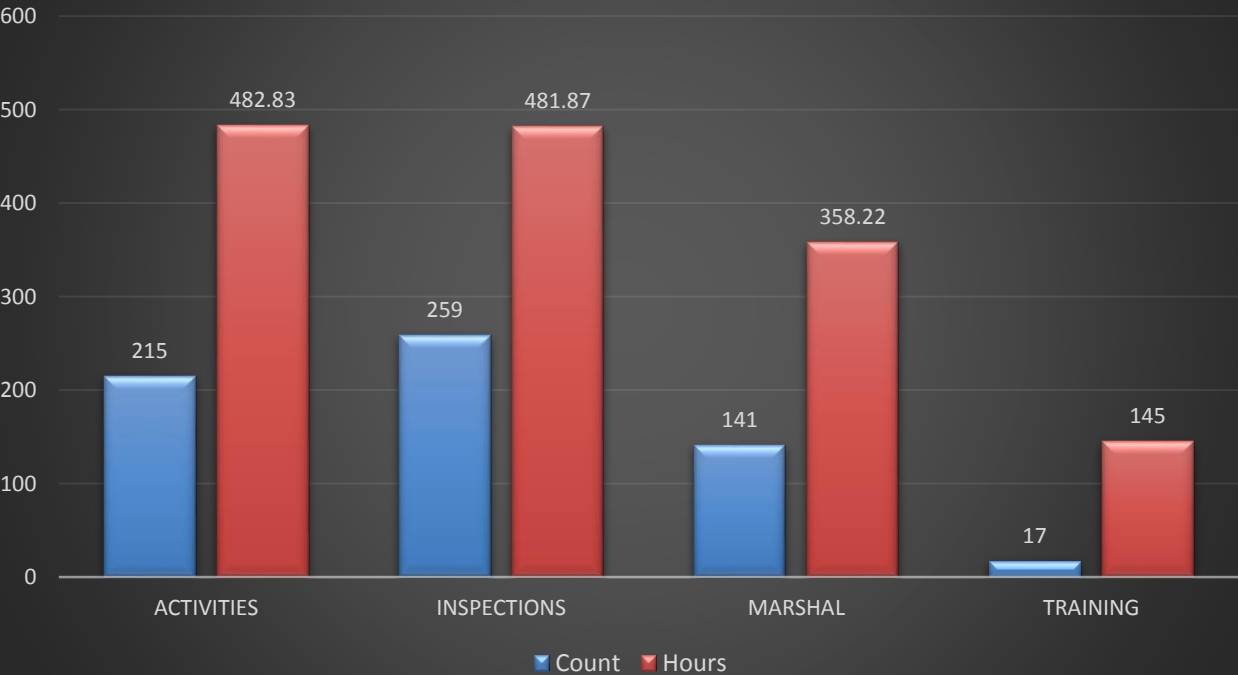
Performance Target – Risk in the community are minimized through a proactive code enforcement and public education program, respectively.

Data Source: HFD Firehouse Software

Current Period: 07/01/16 – 07/31/16

Previous Period: N/A

Fire Marshal Office



HISTORICAL ANALYSIS

Reporting Period	Violations		
	Violations Found	Violations Cleared	
03/16	210	514	
04/16	70	410	
05/16	46	386	
06/16	37	19	
07/16	97	118	

Attendance

Total Hours Working:	1467.92	Off Duty:	470
Total Hours on Duty	1519.35	Percentage Account For:	96.61%

Recommendations

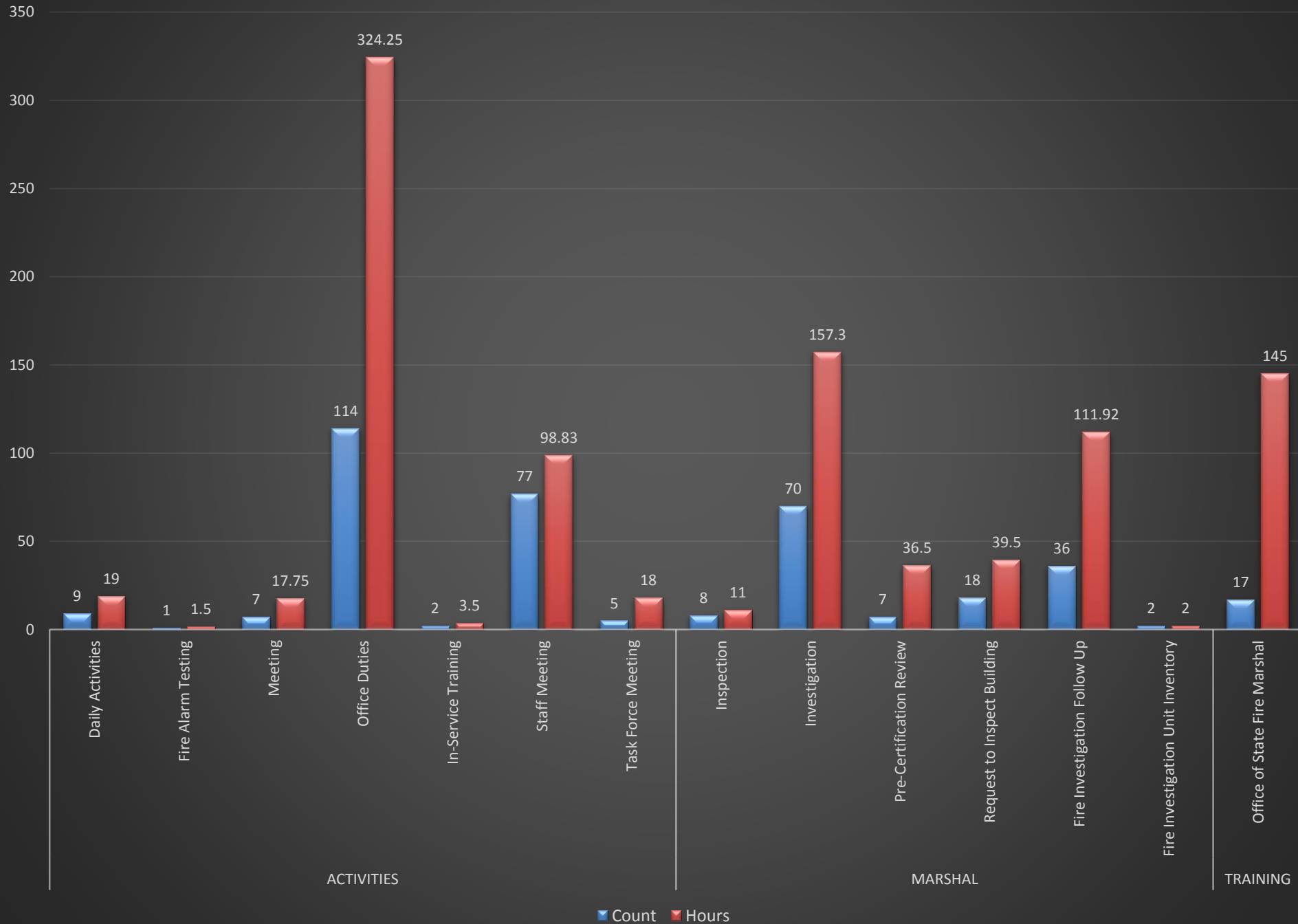
- ✓ Reiterate task input into the records management system. "Time accounted for" is unacceptable.
- ✓ Evaluate the new inspection and assignment matrix.
- ✓ Improvement of activity in the field is evident.

Impact

- Reduction of risks in the community as it pertains to our external stakeholders.

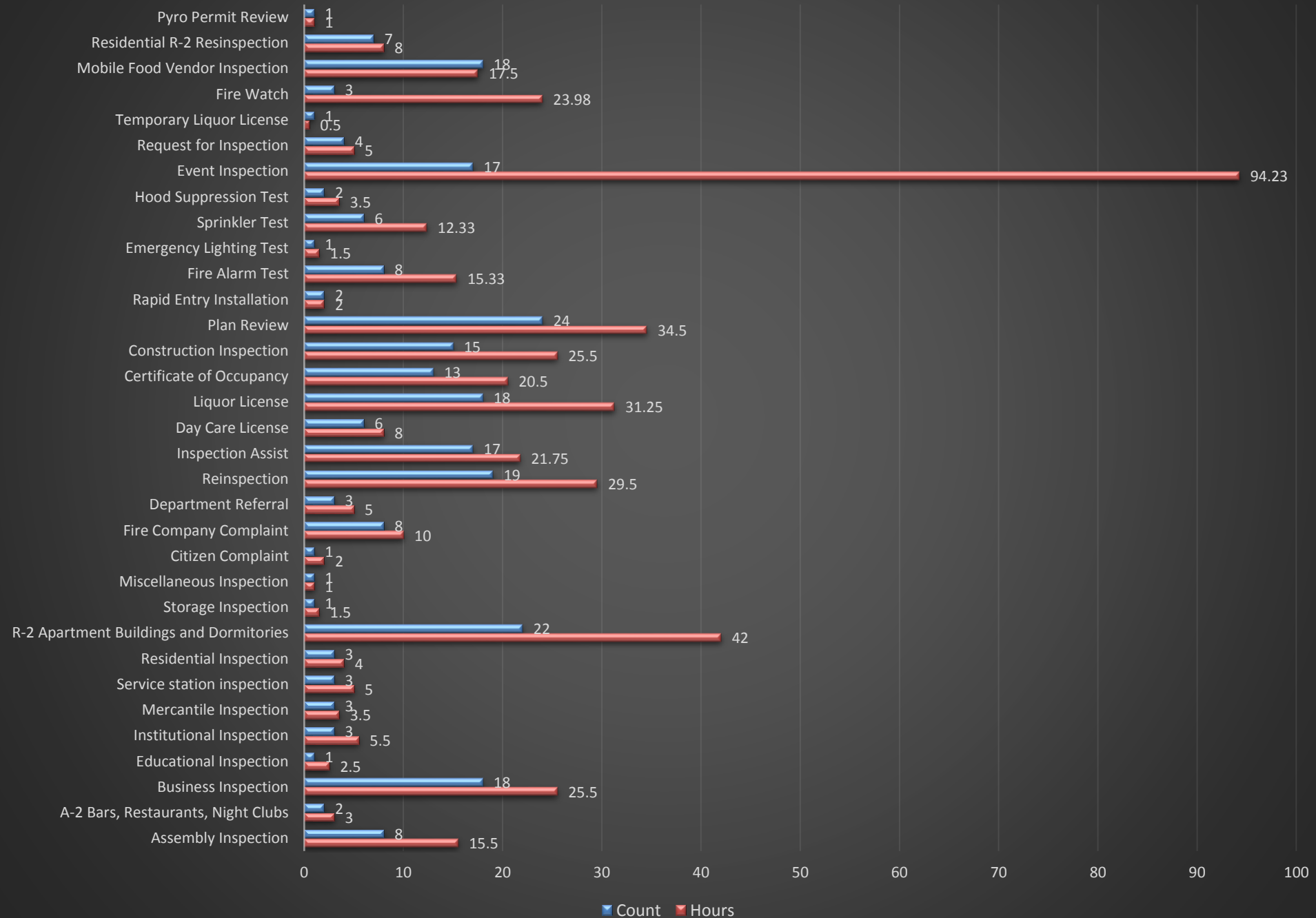
Fire Marshal Activities

Month of July



Fire Marshal Inspections

Month of July



Inspections by Month	January	February	March	April	May	June	July	Grand Total
A-2 Bars, Restaurants, Night Clubs			19	2	1	3	2	27
Area Survey						4		4
Assembly Inspection	2	6	2		2	4	8	24
Business Inspection	3	5	2	4	6	15	18	53
Certificate of Occupancy	4	7	1	9	10		13	44
Citizen Complaint	2	2		4		1	1	10
Construction Inspection	12	21	11	25	20	13	15	117
Day Care License	3	1	1		4	2	6	17
Department Referral		5	1	6	2	1	3	18
Educational Inspection		1	1	2		3	1	8
Emergency Lighting Test							1	1
Event Inspection	13	6	10	17	16	11	17	90
Factory/Industrial Inspection				1				1
Fire Alarm Test	21	7	14	5	15	7	8	77
Fire Company Complaint	5	4	8	1	3	3	8	32
Fire Drill						1		1
Fire Watch						6	3	9
Hood Suppression Test	2	2	2	1	3	2	2	14
Inspection Assist	2	1	46	18	8	11	17	103
Institutional Inspection		1			2		3	6
Liquor License	12	7	20	16	11	16	18	100
Mercantile Inspection		3		2	1		3	9
Miscellaneous Inspection	1	1	2		1	1	1	7
Mobile Food Vendor Inspection	1		1	4	7	22	18	53
Modifications	1			4	2			7
Other	2	1						3
Plan Review	46	11	31	32	11	19	24	174
Public Assembly Inspection		1	19					20
Pyro Permit Review				2			1	3
Pyrotechnics Permit Inspection	2			2	3	1		8
R-1 Hotels, Motels, Lodging and Rooming	5	4	2	4	3	1		19
R-2 Apartment Buildings and Dormitories	169	43	142	40	35	6	22	457
Rapid Entry Installation	6	1	10	2	3	1	2	25
Reinspection	25	9	7	13	21	8	19	102
Request for Inspection	1	6	1	2	3	2	4	19
Residential Inspection	3	17	29	18	4	4	3	78
Residential R-2 Resinspection		6	53	20	3		7	89
Service station inspection	1	9	1				3	14
Sprinkler Test	2	1	4	6	9	3	6	31
Standpipe Test			1	2				3
Storage Inspection				2			1	3
Temporary Liquor License							1	1
Grand Total	346	189	441	266	209	171	259	1881

Performance Scorecard

Community Risk Reduction Division -FM

Operational Performance Measure: Decrease avoidable incidents within the City of Hartford.



HFD Strategic Priorities:
Provide Quality Code Enforcement, Public Education, & Community Engagement

Performance Target – Show a 30% decrease in fires by end of FY2017.

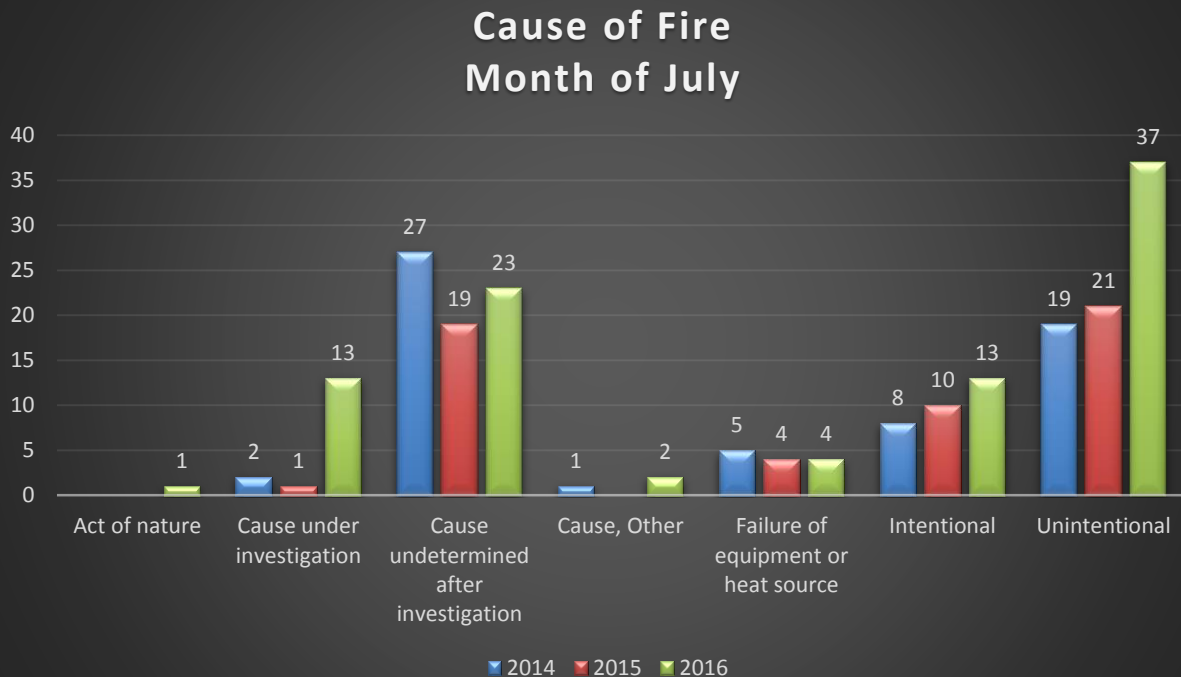
Data Source: HFD Firehouse Software

Current Period: 07/2016

Previous Period: 2015 - 2016

HISTORICAL ANALYSIS

Reporting Period	Cause		
	Intentional	Unintentional	Undetermined after Investigation
16-May	14	27	24
16-June	15	32	39
15-May	17	70	41
15-June	8	18	15



Analysis

➤ Activity in July was significant.

Recommendations

✓ FMO and SS are collaborating to address fire code and Pub Ed priorities.

Impact

• Minimization of conflagrations in all parts of the city that are adversely impacted.

COMMUNITY RISK REDUCTION – SPECIAL SERVICES UNIT



"Goal Oriented, Results Driven"

Performance Scorecard

Community Risk Reduction Division -SSU

HFD Strategic Priorities:
Provide Public Education, & Community Engagement

Data Source: HFD Firehouse Software

Current Period: 07/01/16 – 07/31/16

Previous Period: 04/16-06/16

HISTORICAL ANALYSIS

Reporting Period	6/16	5/16	4/16
Total Activities	170	147	147
Total Adults	6546	2207	2550
Total Children	2123	2528	3210
Smoke Detector	234	153	98

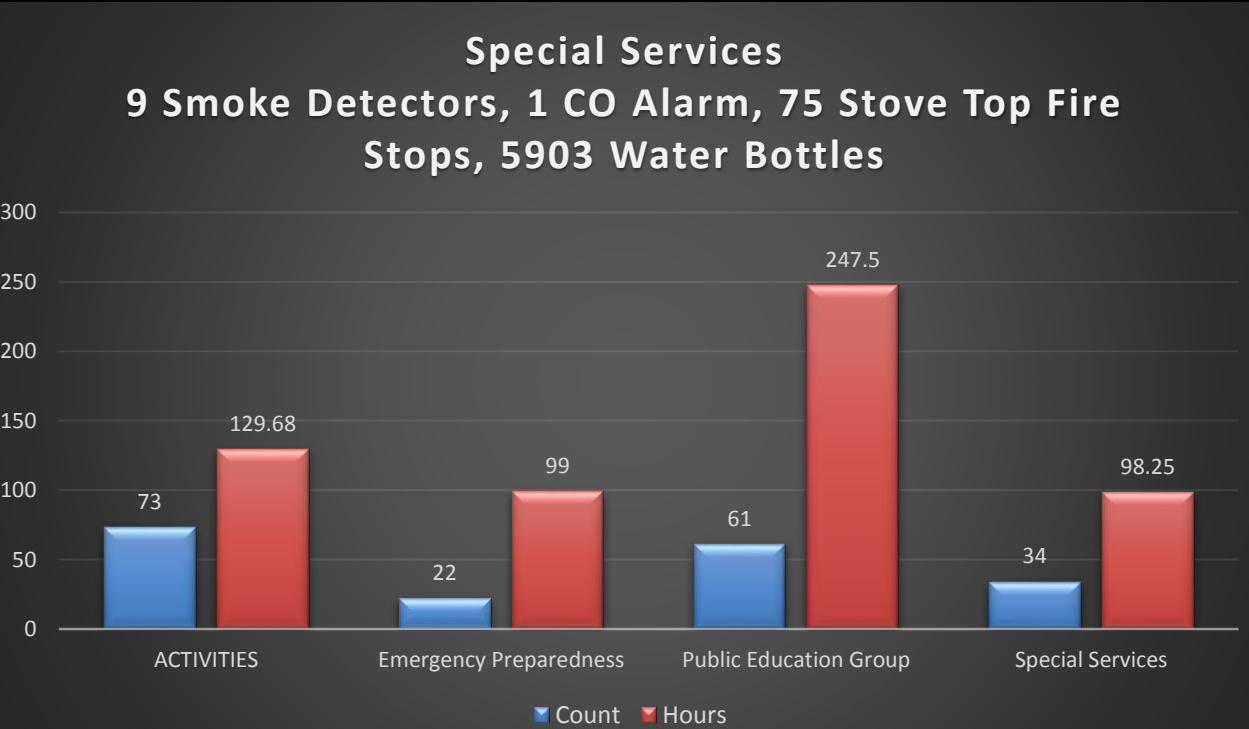
Attendance

Total Hours Working:	574.43	Off Duty:	200
Total Hours on Duty:	629	Percentage Account For:	91.32%

Operational Performance Measure: Decrease avoidable incidents within the City of Hartford.



Performance Target – Reduction in Residential Structure Fires by 20% by 1st Quarter 2017.



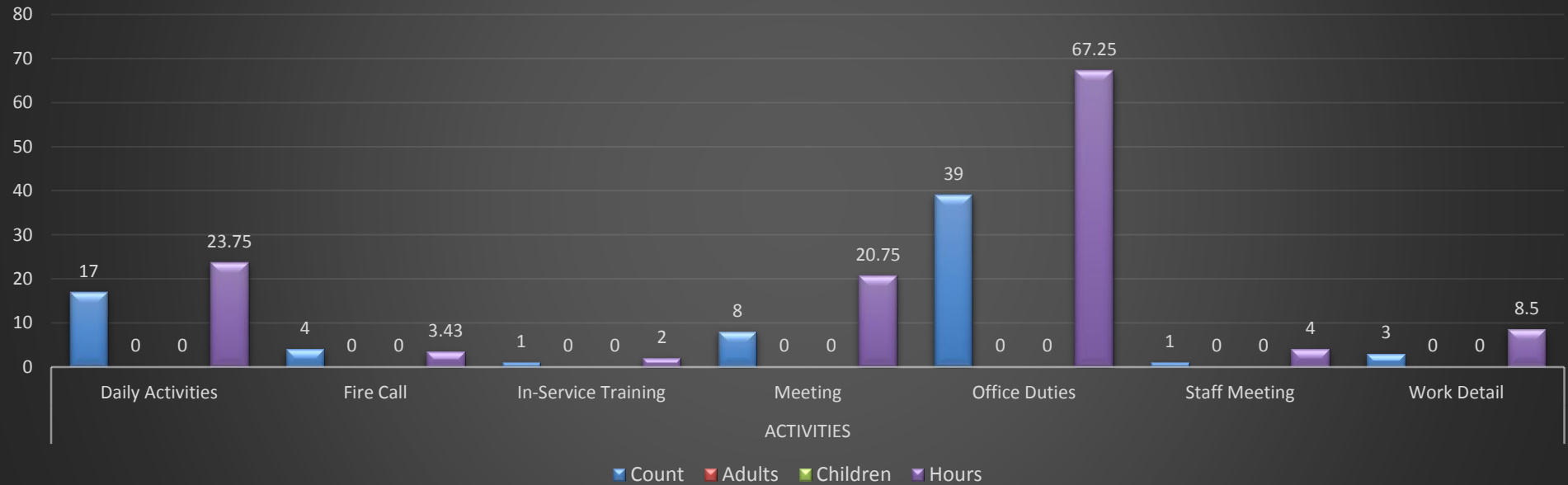
Recommendations

- ✓ Annual public education program (tentative) review.
- ✓ Process control has to be enhanced (firehouse daily activities input).

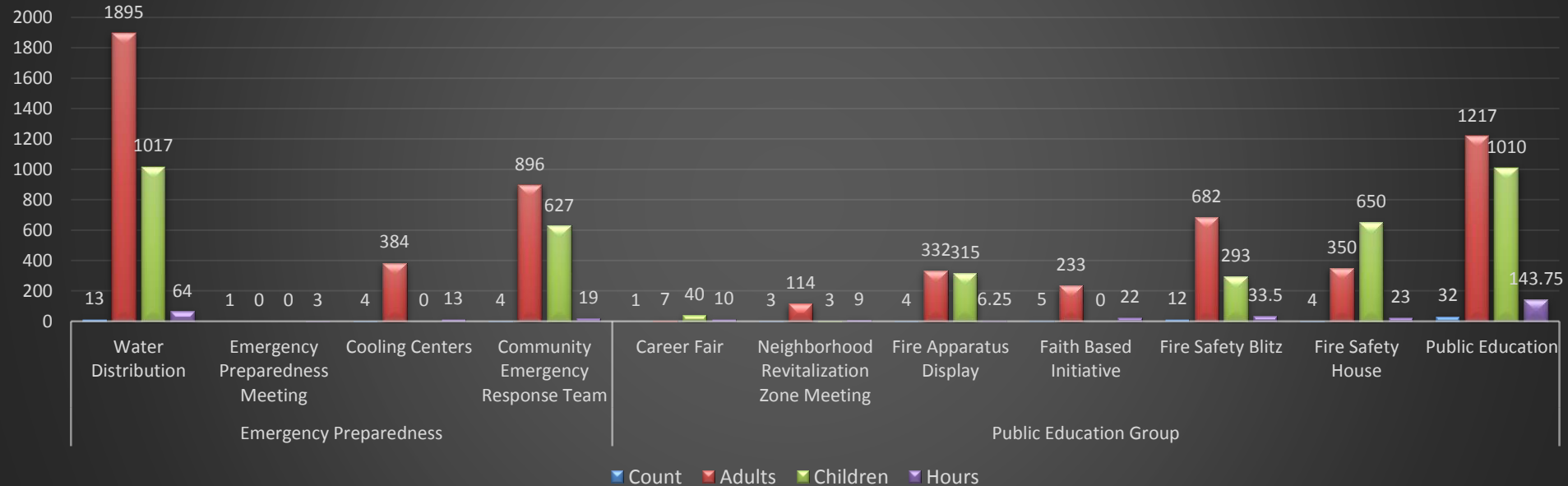
Impact

The reduction of avoidable incidents within the city as it pertains to fire and emergency services.

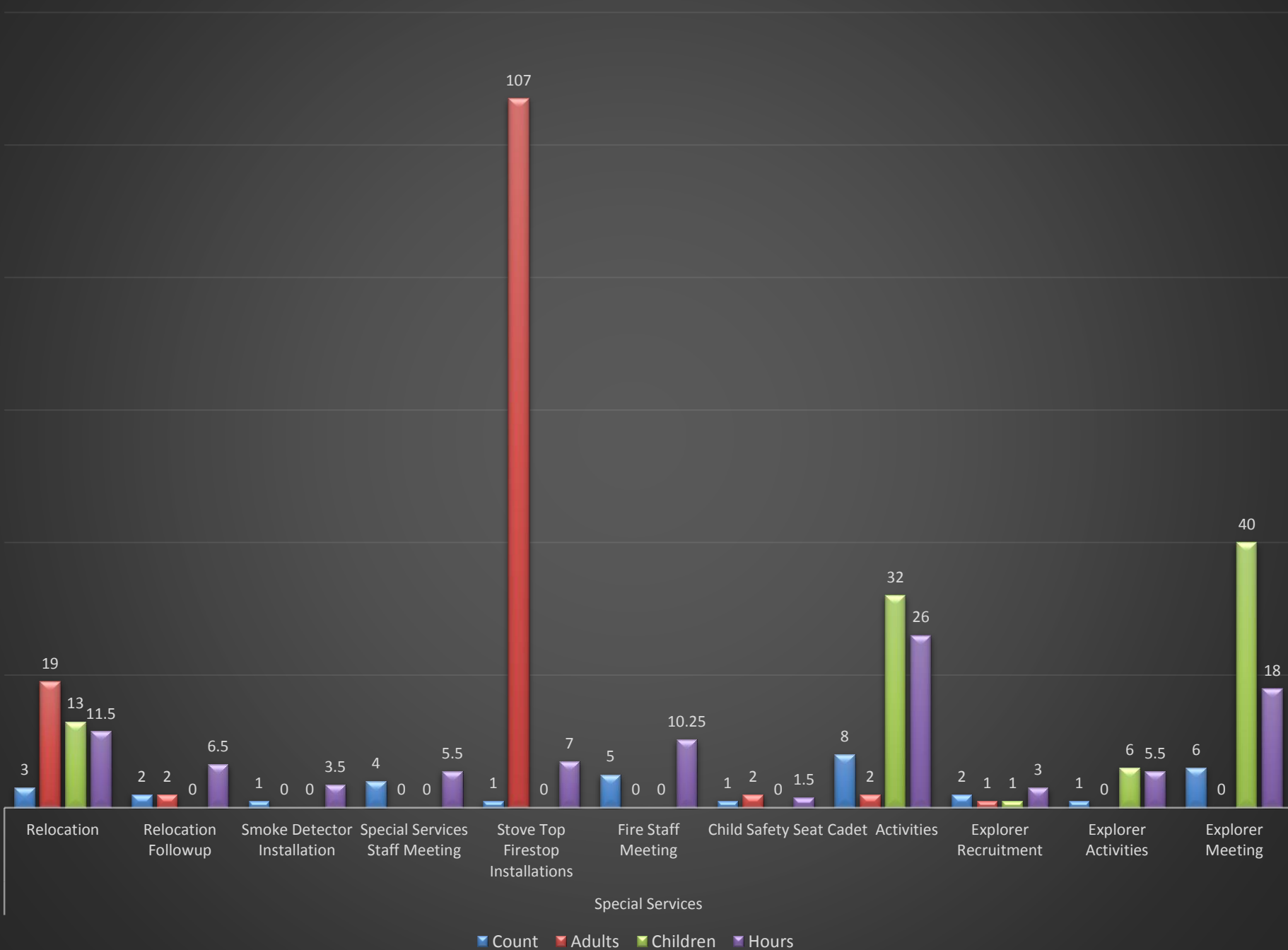
Activities July 2016



Public Education and Emergency Preparedness July 2016



Special Services July 2016



TRAINING DIVISON



"Goal Oriented, Results Driven"

Performance Scorecard

Training Division

Operational Performance Measure: Internal / External
Stakeholder Engagement – Increase public /personnel awareness about the City of Hartford Fire Department.



HFD Strategic Priorities:
 Provide Mandated Training to Hartford Fire Department Personnel

Performance Target – Adequately train members of the HFD in proficiency topics that assist with sharpening knowledge, skills, and abilities.

Data Source: HFD Firehouse Software

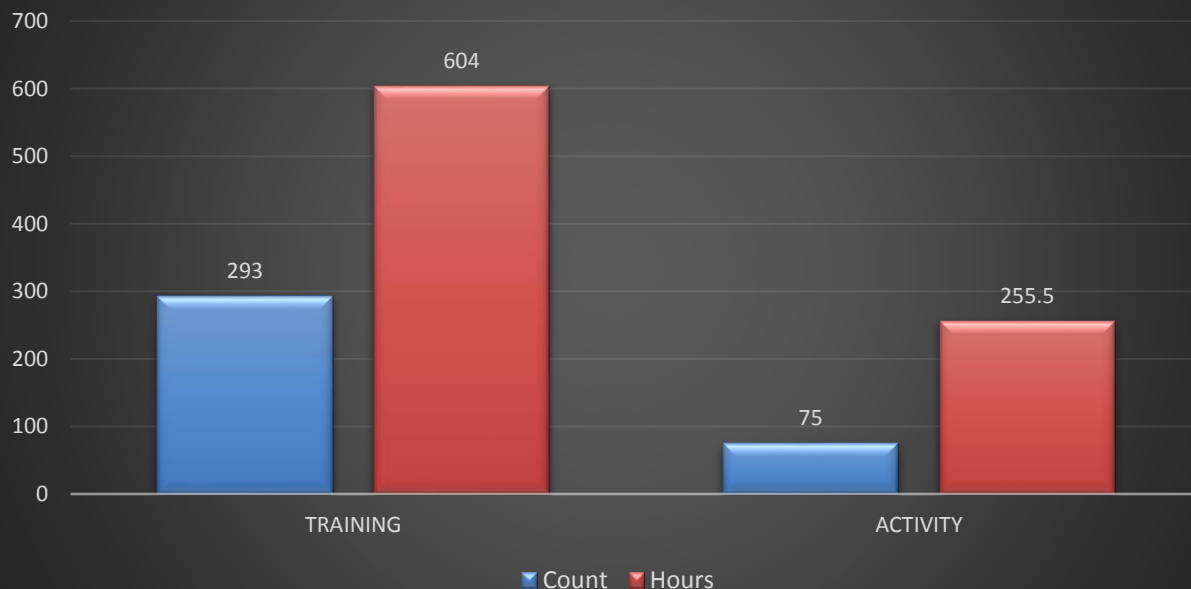
Current Period: 07/01/2016 – 07/31/2016

Previous Period: N/A

HISTORICAL ANALYSIS

Reporting Period	June 2016	May 2016
EMS	45	18
Driver	1	2
Officer Training	0	0
Rescue	0	28
SCBA	2	1
Live Fire	10	3

Training Division



Attendance

Reccomendations

Impact

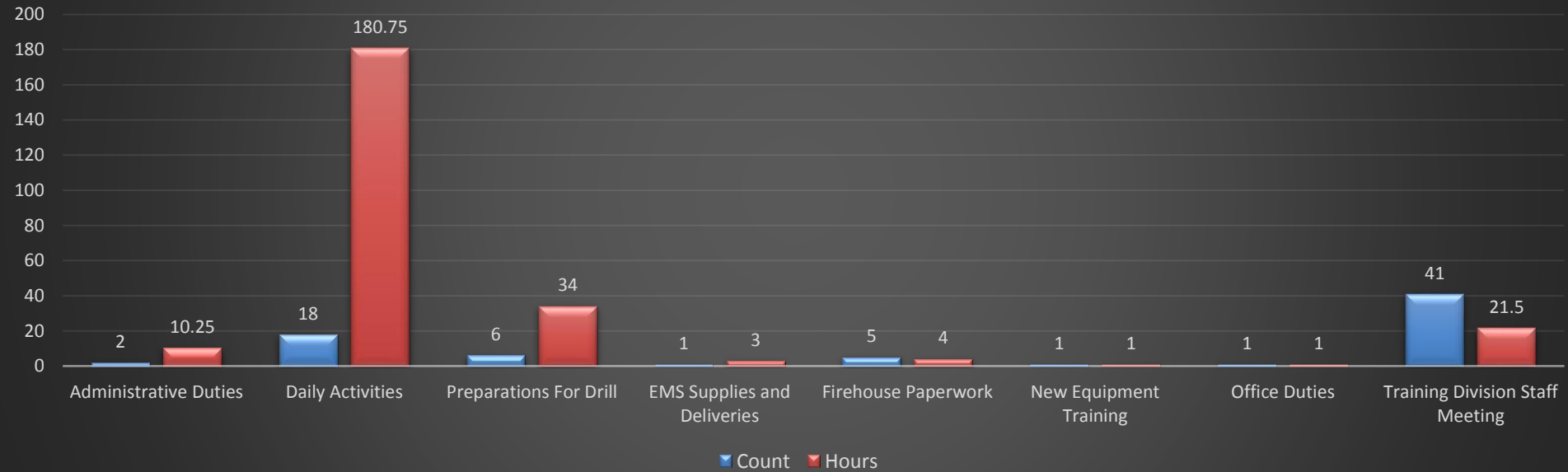
Total Working Hours: 859.5 **Total Hours Off:** 320

Total Hours on Duty: 560 **Hours Accounted For:** 153.48%

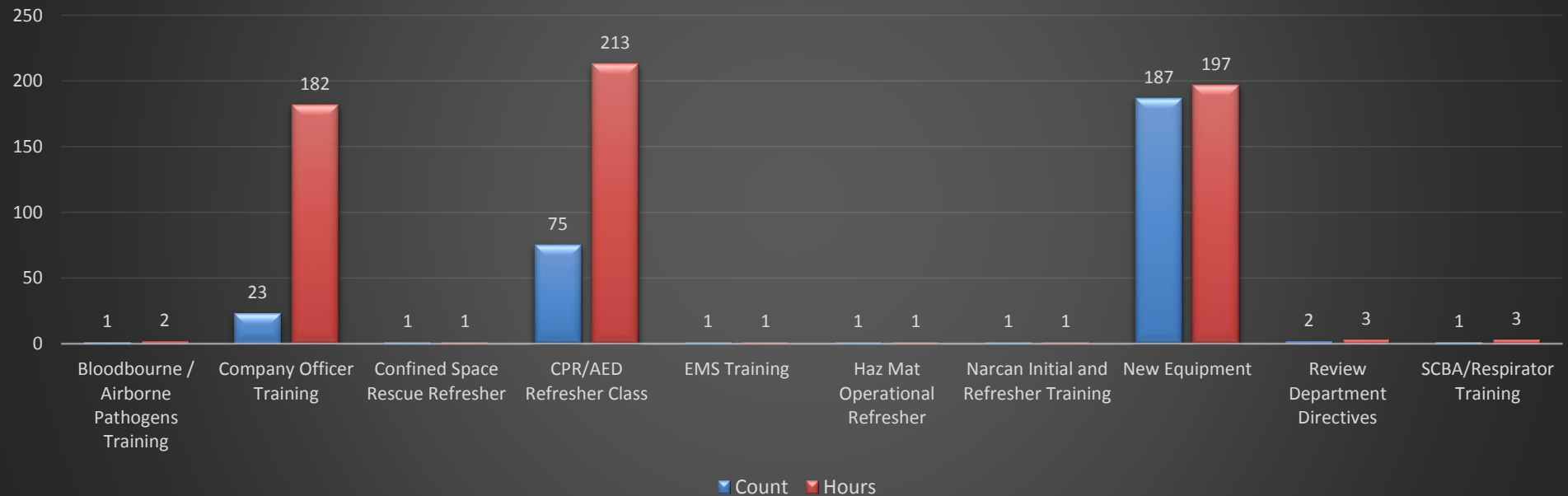
- ✓ Annual proficiency training schedule. Has to be revised.
- ✓ Consistency. Standard lesson plans, presentations, and participant manuals. When will this be completed?

- Properly trained staff that can effectively execute their duties and responsibilities.

Activities July 2016



Training July 2016



Training Categories by Record Count:	January	February	March	April	May	June	July	Grand Total
Annual Driver Training Program		1		102	2	1		106
Annual Live Fire Training				3	3	10		16
Bloodbourne / Airborne Pathogens Training	1				1	4	1	7
Certified Swimmers Only						27		27
Company Officer Training	1	6					17	24
Confined Space Rescue Refresher			66	24	1	7	1	99
CPR/AED Refresher Class	22	2				36	71	131
Customer Service					1			1
Drivers cross training on apparatus					1	1		2
Ebola Training					2	1		3
EMR Refresher 2015	10	6	1		8	3		28
EMR written exam			23	6	3			32
EMS Training	1				4	1	1	7
Fire Recovery Program					1			1
Haz Mat Operational Refresher					30	31	1	62
Line Diversity Awareness	41	36						77
Narcan Initial and Refresher Training	3	5			1	3	1	13
New Equipment			44	22	90	6	151	313
Protective Hoods	1				1	2		4
Pump Operator					2	1		3
Rescue Extrication				2				2
Rescue Swimming				4	28			32
Review Department Directives		3	5		5	11	2	26
Rules of Engagement	22	84	5		1	1		113
SCBA/Respirator Training	8	5			1	2	1	17
Shore Training						22		22
Grand Total	110	148	144	163	186	170	247	1168

EQUIPMENT MAINTENANCE DIVISION



"Goal Oriented, Results Driven"

Performance Scorecard

Equipment Maintenance Division

Operational Performance Measure: Internal / External Stakeholder Engagement – Increase public /personnel awareness about the City of Hartford Fire Department.



HFD Strategic Priorities:
Provide Quality & Timely Equipment Maintenance to All Apparatus/Equipment

Performance Target – Respond in a timely manner when sequestered by ESD/Support Services.

Data Source: HFD Firehouse Software

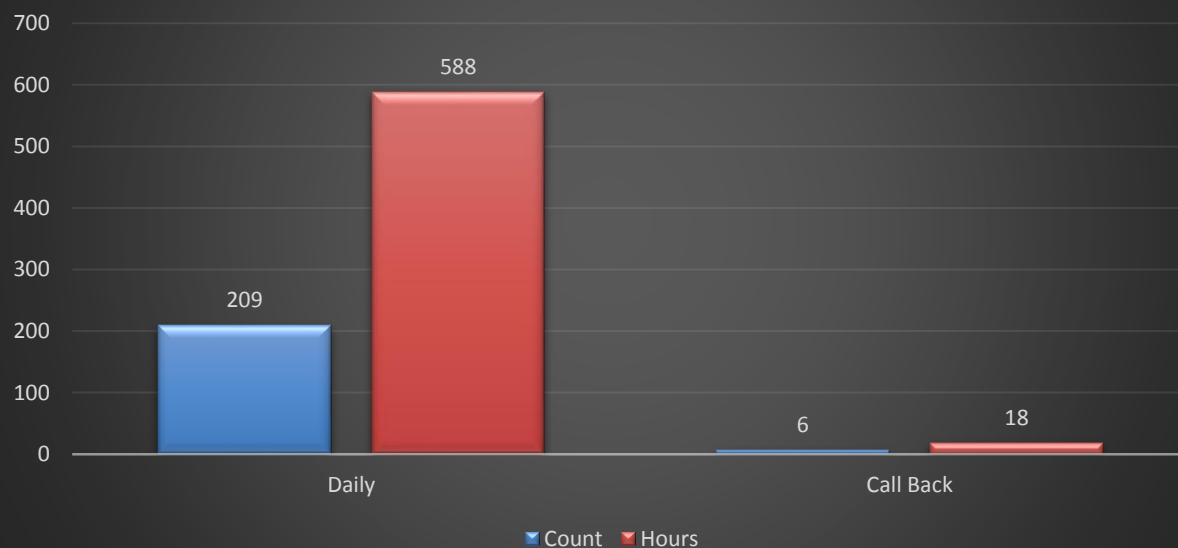
Current Period: 07/01/2016 – 07/31/2016

Previous Period: N/A

HISTORICAL ANALYSIS

Reporting Period				
	Hose Testing	Ladder Testing	Ground Ladder Testing	Fit Test
7/16	0	0	0	0
06/16	3	0	6	4
05/16	4	0	3	46
04/16	4	0	3	41

Equipment Maintenance Division July 2016



Attendance

Total Working Hours:	606	Total Hours Off:	190
Total Hours on Duty:	758	Hours Accounted For:	79.95%

Recommendations

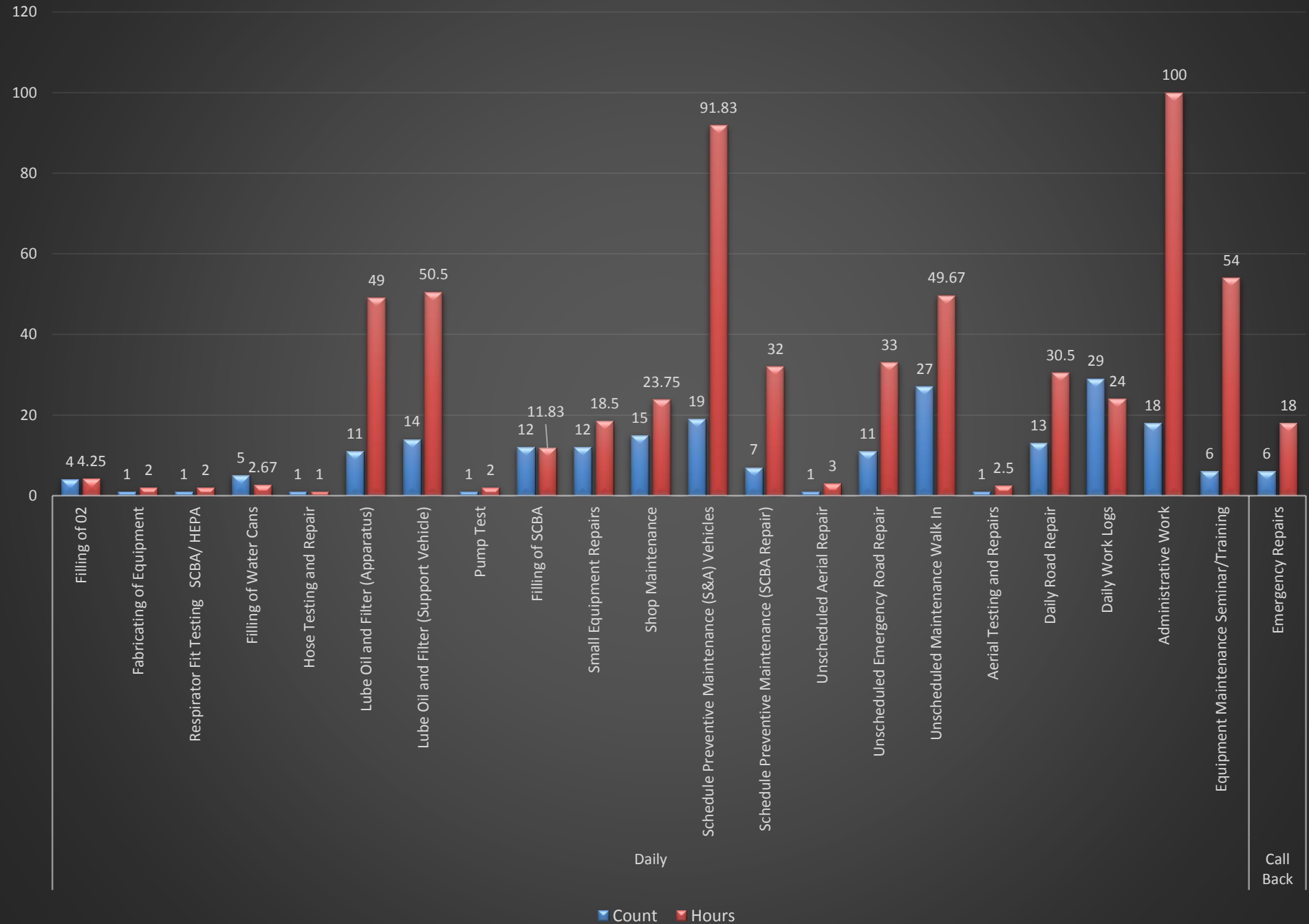
- What is the challenge with entering data into the records management system?
- Accountability of time is unacceptable.

Impact

- Safe repair and maintenance of fire department tools, equipment, and apparatus.

Equipment Maintenance

July 2016



F.A.C.T. DIVISION



"Goal Oriented, Results Driven"

Performance Scorecard

F.A.C.T. Division

Operational Performance Measure: Internal / External Stakeholder Engagement – Increase public /personnel awareness about the City of Hartford Fire Department.



HFD Strategic Priorities:

Provide Quality I.T. & Technical Assistance to HFD

Performance Target – Mitigate a diverse portfolio of service calls.

Data Source: HFD Firehouse Software

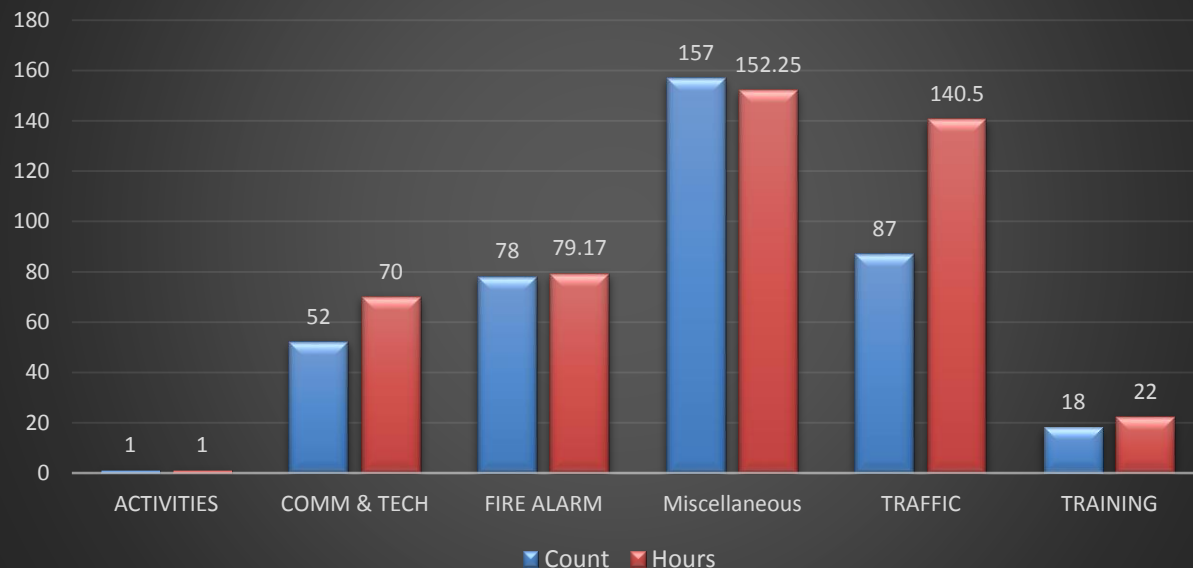
Current Period: 07/1/2016 – 07/31/2016

Previous Period: 6/16 – 3/16

HISTORICAL ANALYSIS

Reporting Period				
	Traffic	Comm & Tech	Training / Misc	Fire Alarm
6/16	124	27	134	145
5/16	153	42	137	106
4/16	131	33	167	87
3/16	96	77	176	76

FACT Division July 2016



Attendance

Total Working Hours: 464.92 **Total Hours Off:** 70

Total Hours on Duty: 608 **Hours Accounted For:** 76.47%

Recommendations

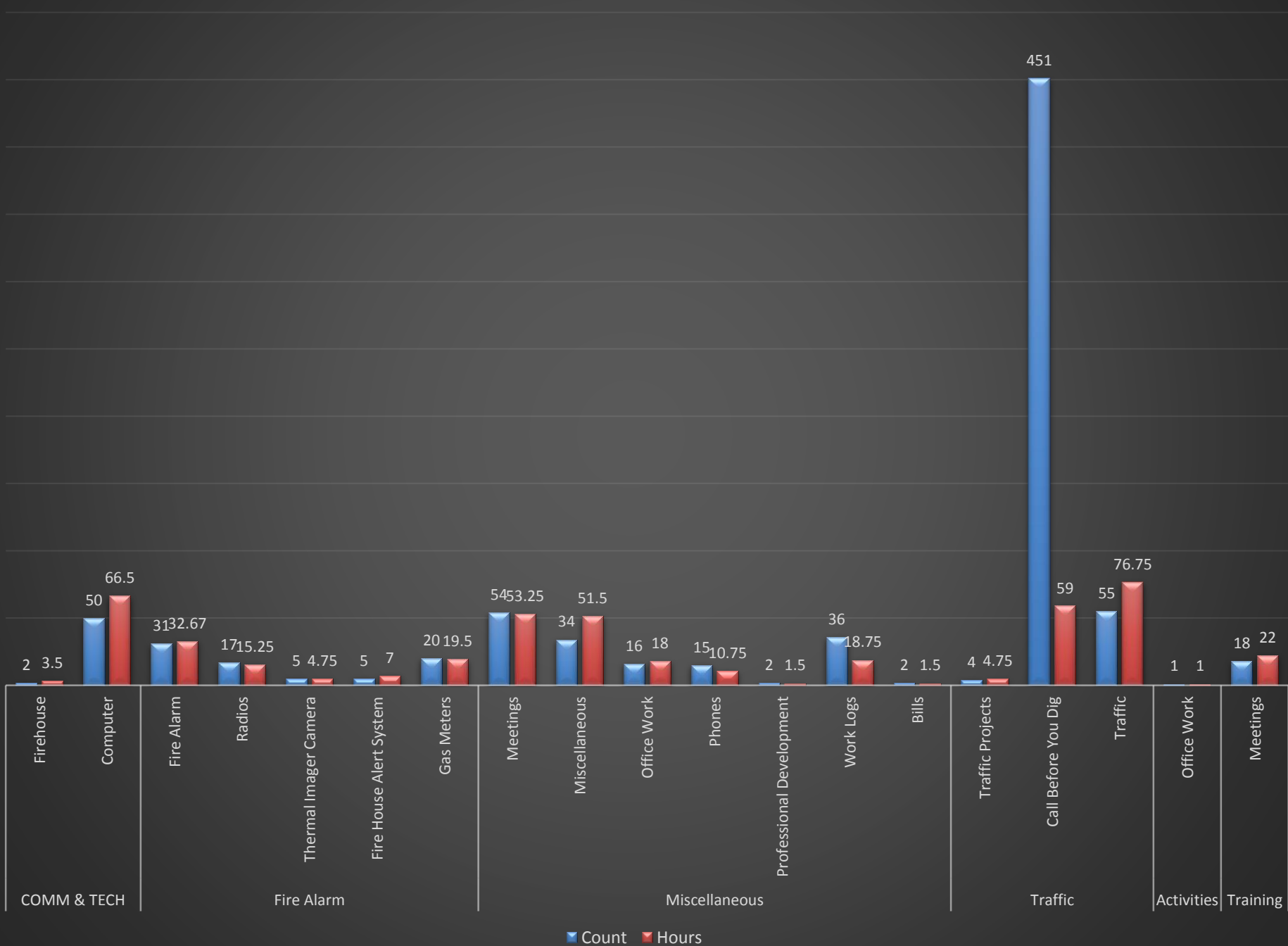
✓ Why the declination of time accounted for?

Impact

- IS&IT execution of relevant duties and responsibilities.

Fire Alarm Communication Technology

Month of July



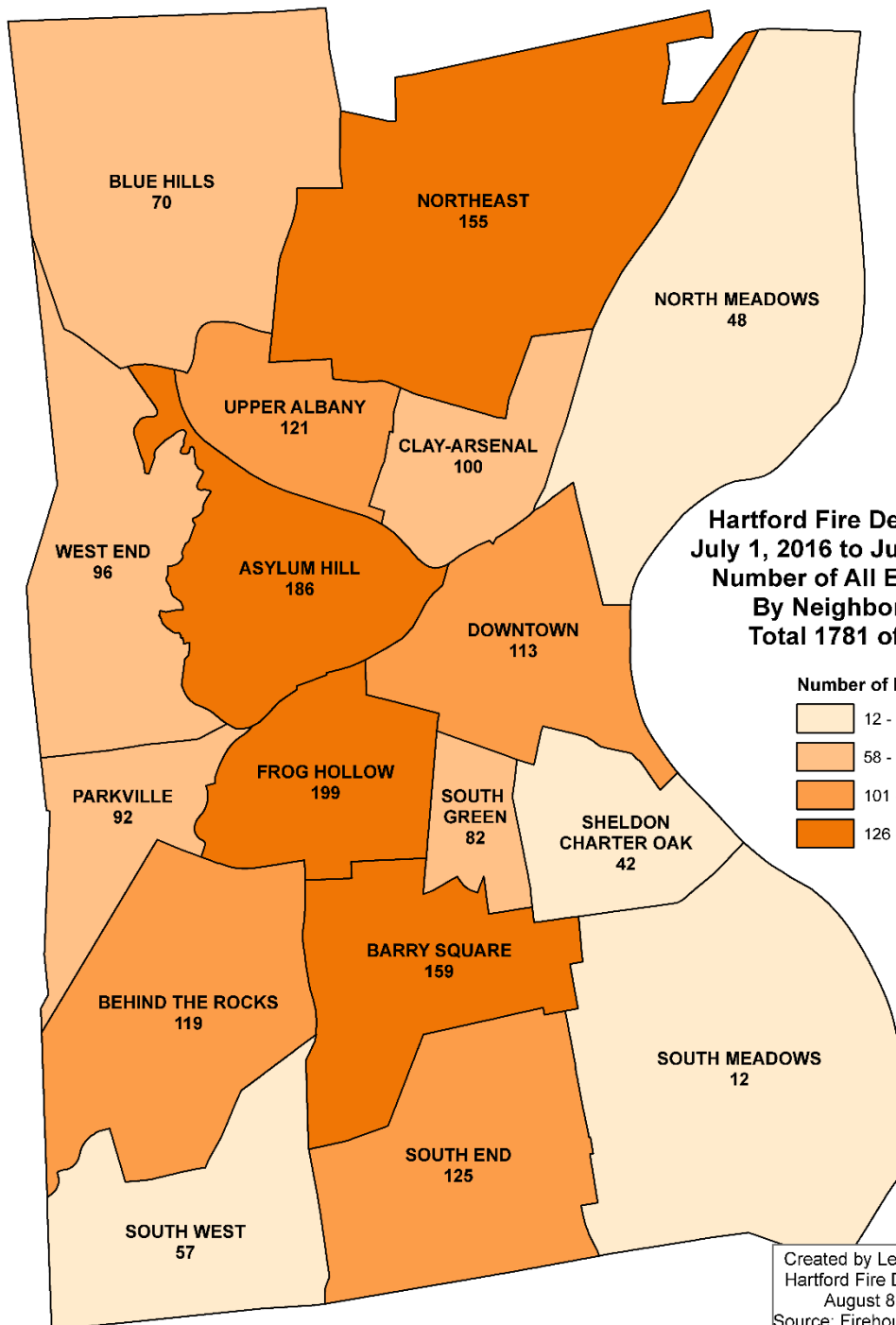
EMERGENCY RESPONSE DATA



"Goal Oriented, Results Driven"

EMS Calls

July 2016

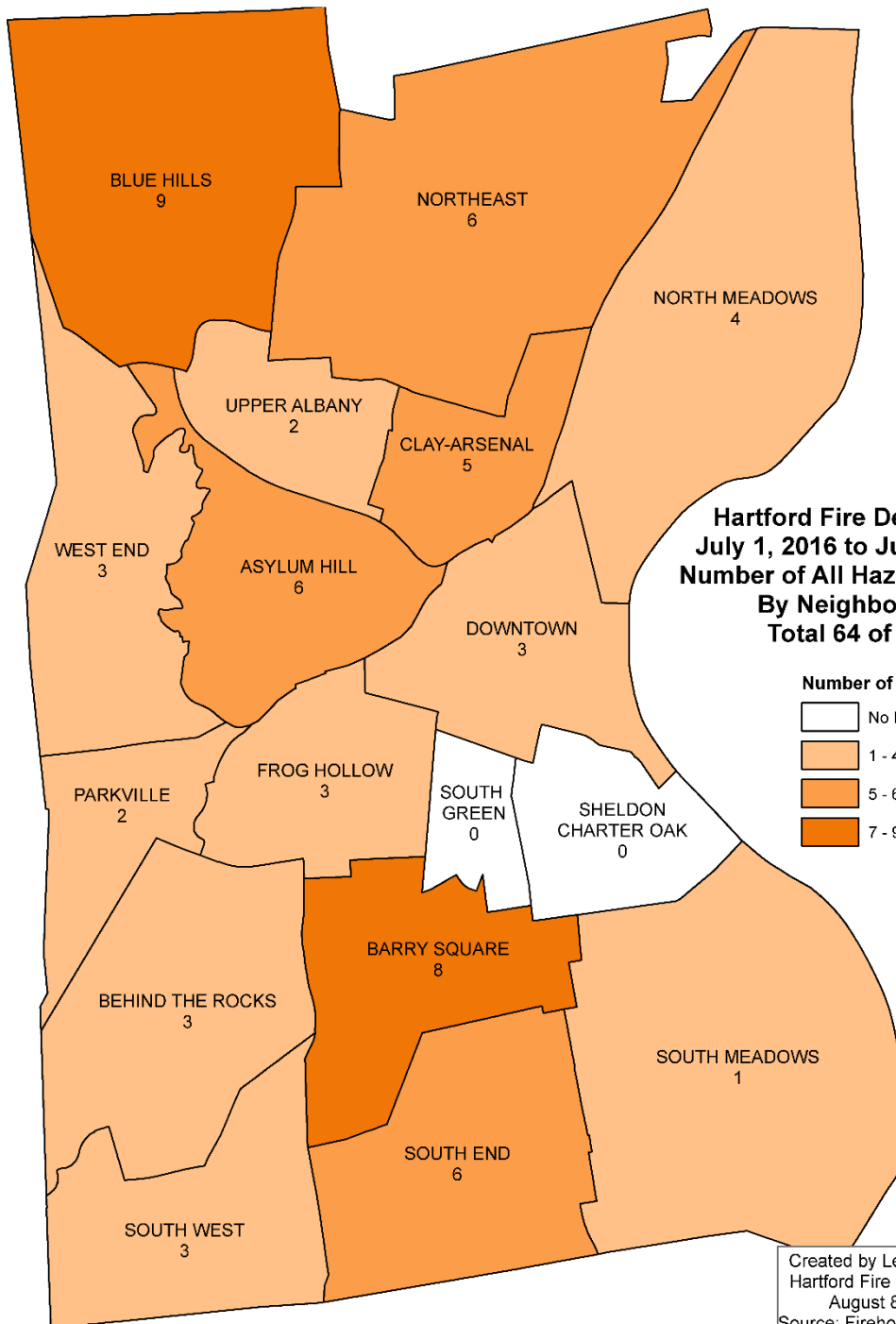


Created by Leandro Cieri
Hartford Fire Department
August 8, 2016
Source: Firehouse Software
Geocoded 1776
Not Geocoded: 5

Incident Type	Count	Description
321	829	EMS call, excluding vehicle accident with injury
311	646	Medical assist, assist EMS crew
300	104	Rescue, EMS incident, other
322	89	Motor vehicle accident with injuries
324	76	Motor Vehicle Accident with no injuries
323	16	Motor vehicle/pedestrian accident (MV Ped)
353	9	Removal of victim(s) from stalled elevator
320	5	Emergency medical service, other
350	3	Extrication, rescue, Other
352	3	Extrication of victim(s) from vehicle
371	1	Electrocution or potential electrocution

Hazardous Conditions

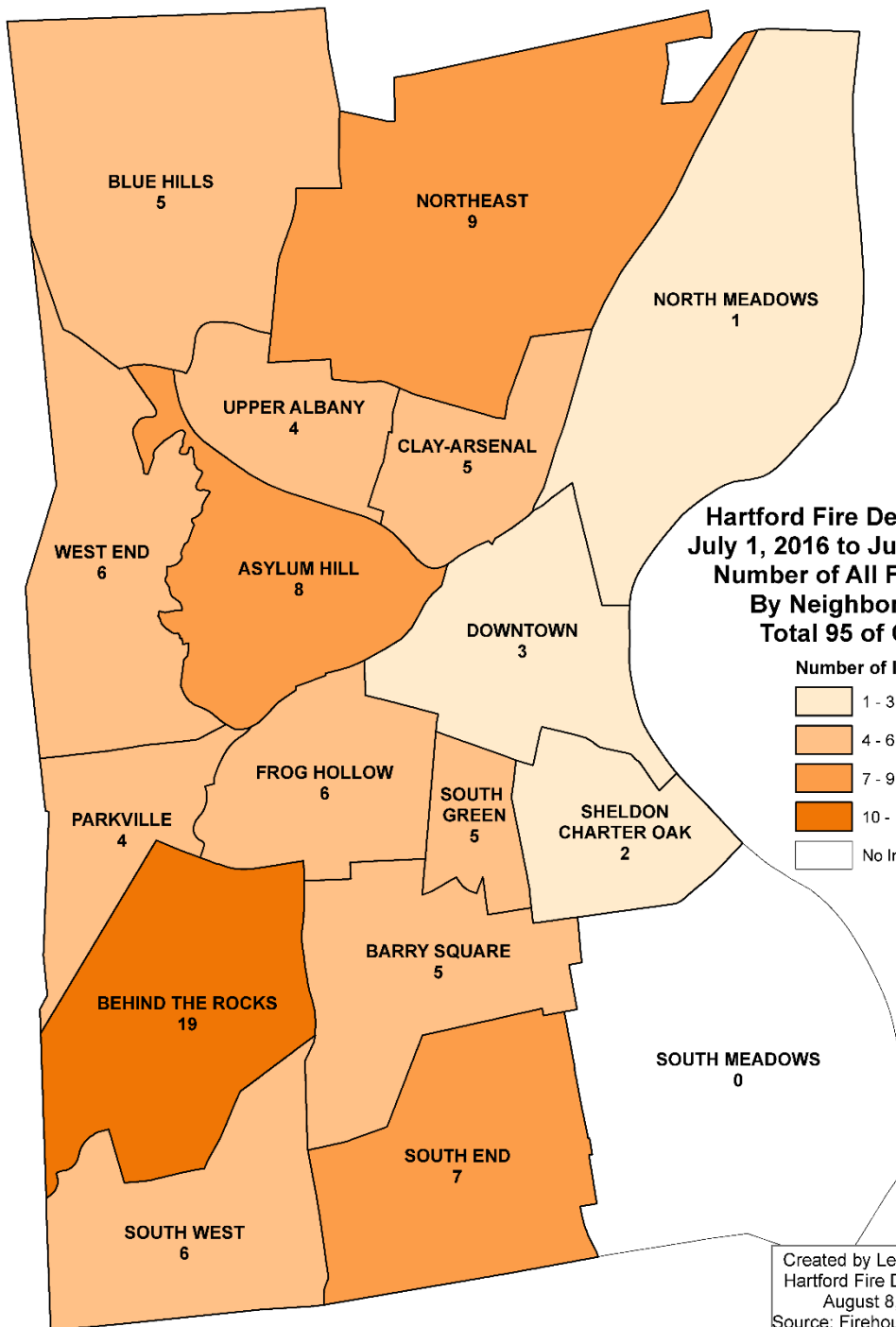
July 2016



Created by Leandro Cieri
Hartford Fire Department
August 8, 2016
Source: Firehouse Software
Geocoded 64
Not Geocoded: 0

Incident Type	Count	Description
444	17	Power line down
412	10	Gas leak (natural gas or LPG)
400	9	Hazardous condition, Other
440	5	Electrical wiring/equipment problem, Other
411	5	Gasoline or other flammable liquid spill
445	4	Arcing, shorted electrical equipment
441	3	Heat from short circuit (wiring), defective/worn
463	3	Vehicle accident, general cleanup
442	2	Overheated motor
410	2	Combustible/flammable gas/liquid condition, other
413	2	Oil or other combustible liquid spill
422	1	Chemical spill or leak
460	1	Accident, potential accident, Other

All Fires – July 2016

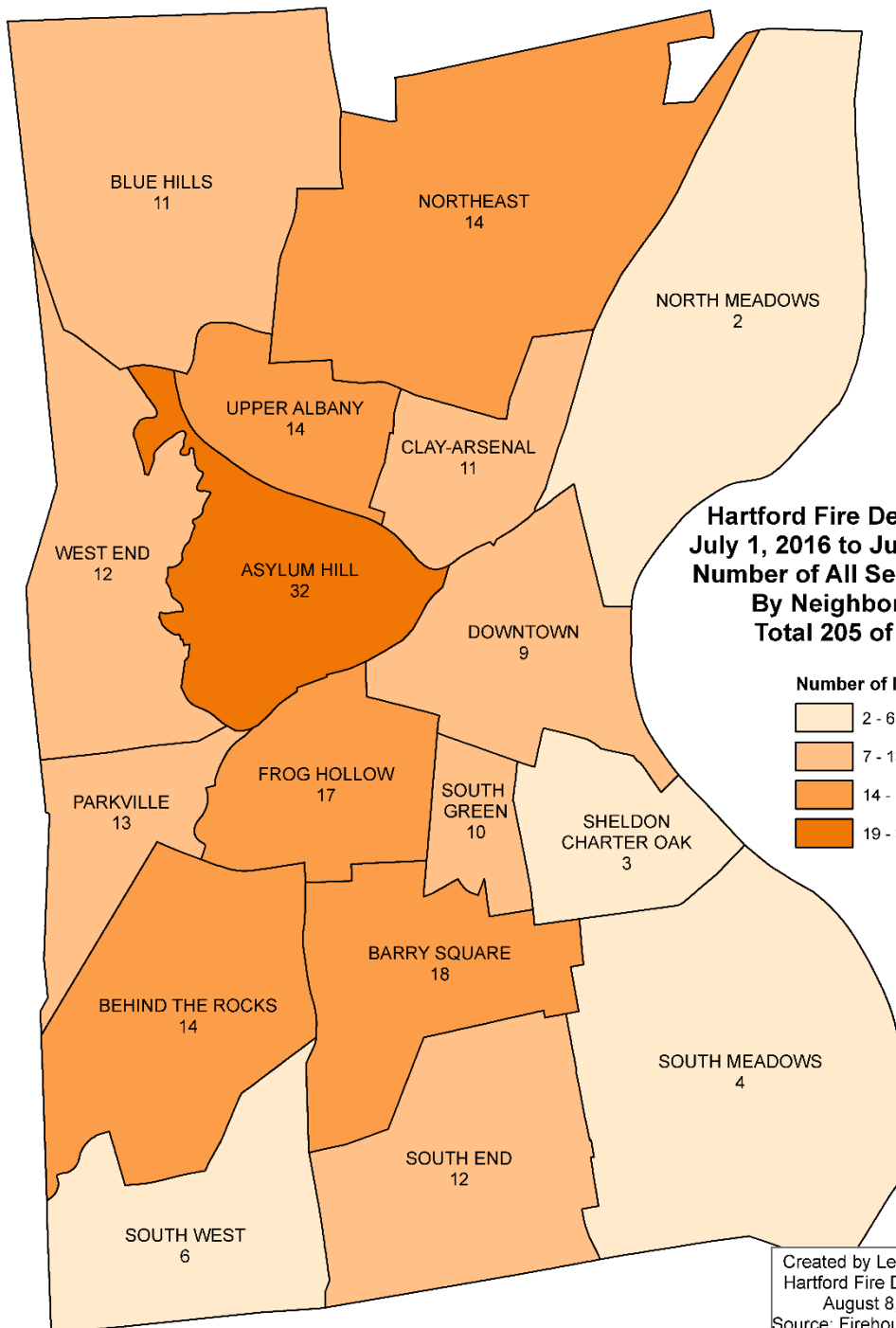


Created by Leandro Cieri
Hartford Fire Department
August 8, 2016
Source: Firehouse Software
Geocoded 95
Not Geocoded: 0

Incident Type	Count	Description
140	16	Natural vegetation fire, Other
131	13	Passenger vehicle fire
111	13	Building fire
151	9	Outside rubbish, trash or waste fire
154	8	Dumpster or other outside trash receptacle fire
142	7	Brush or brush-and-grass mixture fire
113	7	Cooking fire, confined to container
150	5	Outside rubbish fire, Other
130	4	Mobile property (vehicle) fire, Other
100	4	Fire, Other
118	2	Trash or rubbish fire, contained
132	2	Road freight or transport vehicle fire
143	2	Grass fire
160	1	Special outside fire, Other
141	1	Forest, woods or wildland fire
116	1	Fuel burner/boiler malfunction, fire confined

Service Calls

July 2016

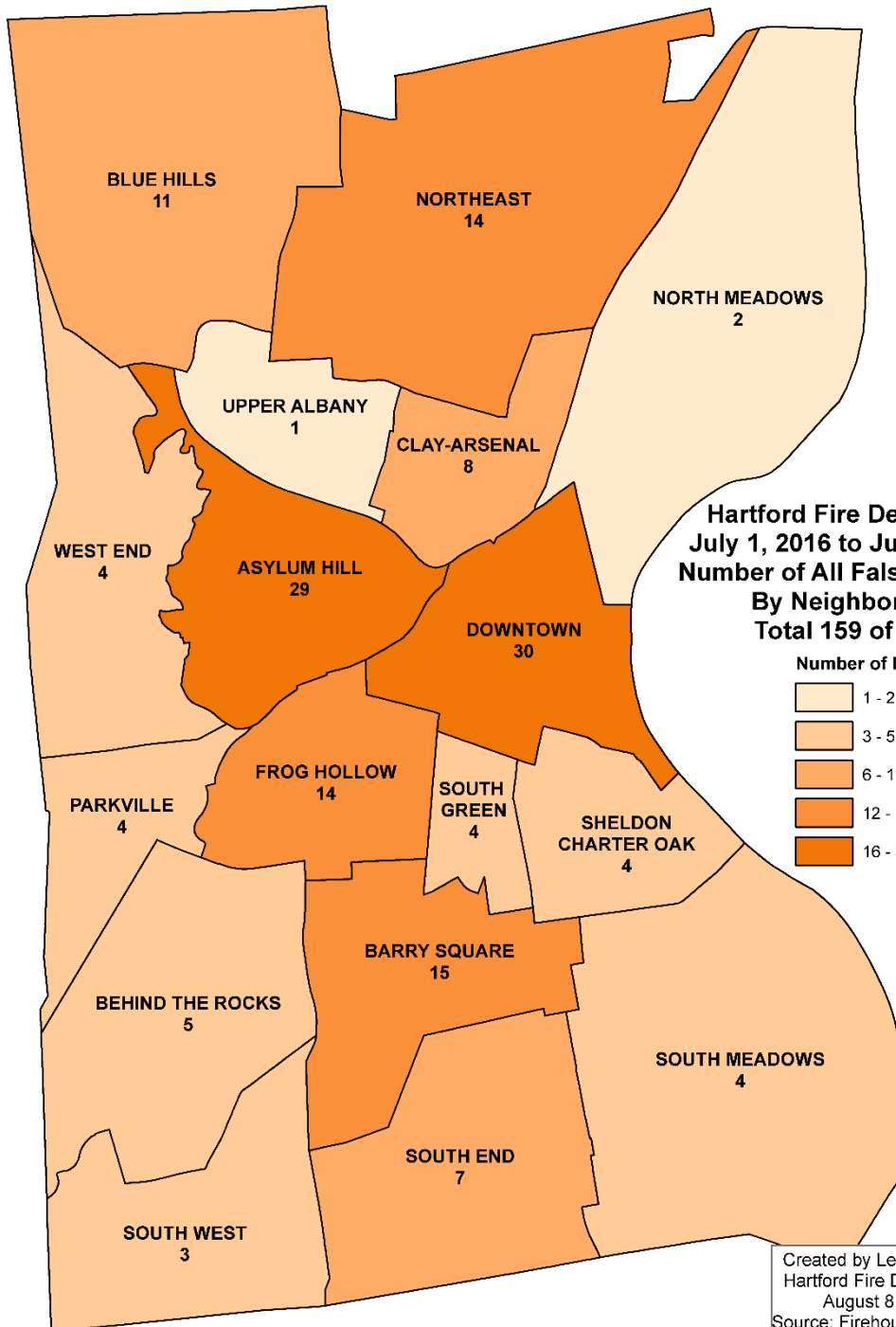


Created by Leandro Cieri
Hartford Fire Department
August 8, 2016
Source: Firehouse Software
Gecoded 202
Not Geocoded: 3

Incident Type	Count	Description
552	46	Police matter
531	38	Smoke or odor removal
500	36	Service Call, other
520	20	Water problem, Other
553	16	Public service
522	12	Water or steam leak
511	10	Lock-out
550	7	Public service assistance, Other
510	6	Person in distress, Other
554	4	Assist invalid
561	4	Unauthorized burning
551	3	Assist police or other governmental agency
555	2	Defective elevator, no occupants
571	1	Cover assignment, standby, moveup

Fire Alarms

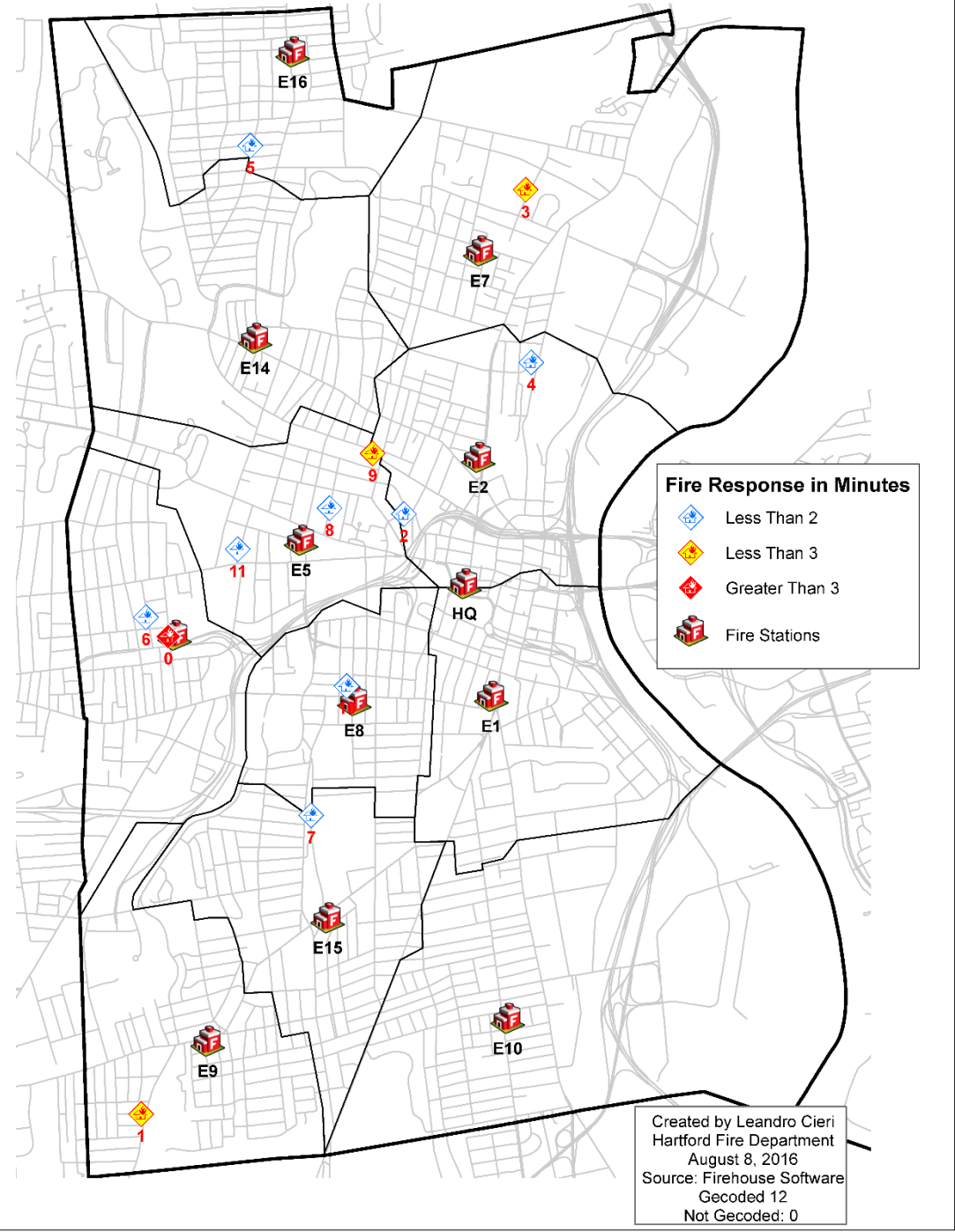
July 2016



Created by Leandro Cieri
Hartford Fire Department
August 8, 2016
Source: Firehouse Software
Gecoded 159
Not Geocoded: 0

Incident Type	Count	Description
745	30	Alarm system activation, no fire - unintentional
735	29	Alarm system sounded due to malfunction
743	27	Smoke detector activation, no fire - unintentional
740	22	Unintentional transmission of alarm, Other
710	10	Malicious, mischievous false call, Other
733	8	Smoke detector activation due to malfunction
730	7	System malfunction, Other
700	6	False alarm or false call, Other
744	5	Detector activation, no fire - unintentional
746	3	Carbon monoxide detector activation, no CO
714	3	Central station, malicious false alarm
715	3	Local alarm system, malicious false alarm
741	3	Sprinkler activation, no fire - unintentional
736	3	CO detector activation due to malfunction

Location of Structure Fires In Relationship to Fire Stations



Key	Incident Number	Response	Firefighter Fatality	Firefighter Injured	Civilian Fatality	Civilian Injured	Heat Source
0	16-0185072	52.8333	0	0	0	0	Hot or smoldering object, Other
1	16-0186050	2.55	0	0	0	0	Heat from direct flame, convection currents
2	16-0187023	1.85	0	0	0	1	Hot or smoldering object, Other
3	16-0188068	3	0	0	0	0	Undetermined
4	16-0200088	1.6167	0	0	0	0	Electrical arcing
5	16-0201011	1.5833	0	0	0	0	Heat from powered equipment, Other
6	16-0204070	1.1833	0	0	0	0	Hot or smoldering object, Other
7	16-0207072	1.1833	0	0	0	0	Heat from powered equipment, Other
8	16-0209029	1.7833	0	0	0	0	Candle
9	16-0210005	2.6	0	0	0	0	Heat from other open flame or smoking materials
10	16-0211018	1.9333	0	0	0	0	Radiated, conducted heat from operating equipment
11	16-0213019	0.6667	0	0	0	0	Radiated, conducted heat from operating equipment

QUESTIONS/COMMENTS



"Goal Oriented, Results Driven"